plicated Belts and Gears-Cur-

rent Started by Switch.

Current is consumed only when

Motor Drives Grinder.

the turn of a switch. Full speed will

the current has been switched on.

Ideal for Matching of Colors-

Mazda Lamp Is Used.

To overcome the difficulty of match-

attached to the machine.

white light.

by this artificial light.

periods of cloudy weather with as

much satisfaction as in ordinary day-

Signals Fact-Also Guards

Mail Box Alarm.

the bell will also ring should anyone

attempt to open the box and remove

the mall, says Popular Electricity.

A battery in the box supplies the cur-

Control of Torpedoes.

of the effectiveness of an electric sys-

tem for the control of torpedoes and

boats from a distant point. While the

craft seemed to be under the absolute

figures, was guided to definite points.

rang bells, exhibited flags and lights,

fired guns, etc., giving proof of effect-

ive control. The mechanism is, how-

ever, far from perfect; the speed is

not great, the responses to the opera-

tor's will are hesitating and inexact

and the range is limited to a few score

yards. The exhibition, in fact, was

notable only as the beginning of the

development of a mechanism of pos-

Pocket Telephones for the Police.

A new and interesting telephone

system has been installed by the po-

lice department of Berlin to facili-

tate the calling of branch stations and headquarters. All the members

of the department, uniformed and se-

cret service, are provided with pocket

telephone sets so compact as to be

easily carried in the pocket or in a

strap. Contact stations are scattered

over the city, on fence posts, on the

walls of buildings and on trees in the

parks. The connection is established

by merely plugging the contact sta-

Electric Driven Collier,

The United States government has given permission for the equipment of

the 20,000-ton collier Jupiter with elec-

tric motors to drive the propellers.

The installation is now being put in at the Mare Island navy yard and will.

it is hoped, answer many questions regarding direct motor drive for pro-

leather holder attached to a

sible great importance.

Against Any Thief.

in the illustration

in building both Seattle and Portand it was necessary to remove from he face of the earth several sizable hills. This work was done for the most part by hydraulic power. That is, the bills, composed mostly of dirt, MOTOR DRIVES TOOL GRINDER were washed away by powerful streams of water.

Electrical Device Eliminates All Com-At Portland, Ore., electrical power driving huge centrifulgal pumps, lifted water from Guild's take 400 feet uphill and hurled it through 41/4-inch An electrical device for grinding nozzles against the great piles of dirt tools in a shop or factory is shown and gravel. In this way the hills are washed away much quicker and In this grinder there are no comcheaper than they could be cut up plicated belts or gears, the emery wheel being connected directly to the and carted away with steam shovels

and dirt trains. While the hills at Seattle were be ing washed away in this same manactual work is being done, as the grinder may be stopped or started by ner a workman slipped and fell directly in front of one of the streams of water. In a flash he was hurled against the embankment 30 feet away. When picked up he was unconscious and had sustained severe internal injuries besides having several brok-

WAFTS PERFUME ON AUDIENCE

Device Attached to Electric Fan with Reservoir for Fluid Patented by Chicago Man.

The suggestion that perfume bo wafted over the audience in a theater has been carried out crudely by means be attained in about one second after of a large atomizer in the hands of an usher.

Any standard grinding wheel may be An apparatus for doing this automatically when attached to an electric fan and for diffusing the vapor of any HAS LIGHT-RAYS LIKE SUN fluid is the subject of a patent issued to Harry W. Forbes and Frederick New Incandescent Lamp Attachment Linick, Chicago, III.

The device attached to the fan consists of a reservoir for the fluid over a perforated receptacle containing an absorbent material, says the Popular ing colors by artificial light, an ap-Electricity. Attached to a vaive stem paratus has been designed which will under the reservoir is a wing against



Vapor Diffusing Device.

which some of the air from the fan is directed. This crowds the wing over ELECTRIC MAIL BOX ALARM gradual escape of the fluid into the receptacle below there to be blown Opening Receptacle to Deposit Letter away. When the fan stops a spring brings the wing to an upright position and closes the valve.

A mail box arranged to ring a bell Electric Hoist. when the postman deposits a letter is The electric hoist has almost coman addition to the uses of electricity pletely superseded other forms of serv. for signaling. Besides notifying that ice in mines, and collieries where mail is being dropped into the box; electric service can be obtained. The advantages of the electric type of hoist are becoming more widely appreciated by engineers of coal mining com-



In Manchuria there are thirteen telephone exchanges.

Uruguay has decided to take over telephones as a state monopoly. Paris is now in direct telephone communication with Madrid, 1,000 rent and the bell may be located where

necessary in order to be heard. Open-A new electric soldering iron is staing the box closes the battery and bell tionary, articles to be soldered being held against it.

The automatic telephone service is success in Havana, where there are A German inventor recently gave a .000 subscribers. thoroughly successful demonstration

Poking, the only capital in the wide world without a street car system, soon is to have an electric line. Through telephone service between New York and Los Angeles will prob-

control of the operator, it was also ably be established by next November. shown that it was proof auginst inter-Berlin employs more than 100 storference from electric waves generated age battery driven electrical machines ly by a dozen men, who also entered elsewhere within its sphere of influliterally to scrub its well-kept streets. ence. The beat moved forward and Utilizing a current from a magneto Kranich called her daughter, Mrs. back, turned right and left, described

or batteries, an inventor has brought Lloyd Brooks, and her sister-in-law, out an electrically heated steering wheel for automobiles. A power-driven rotary hoof parer to take the place of the horseshoer's

tongs, knife and rasp has been invented by a Nevada man. It is thought that electric lights will ultimately take the place of all

others in lighthouses. The difficulties in the way are gradually overcome. On an automobile wireless outfit built for the Austrian army the motor used to propel the car may also be utilized to drive the electric generator.

A storage battery illuminated electric sign has been invented to be worn on the arm of a person selling refreshments in theaters and other public places.

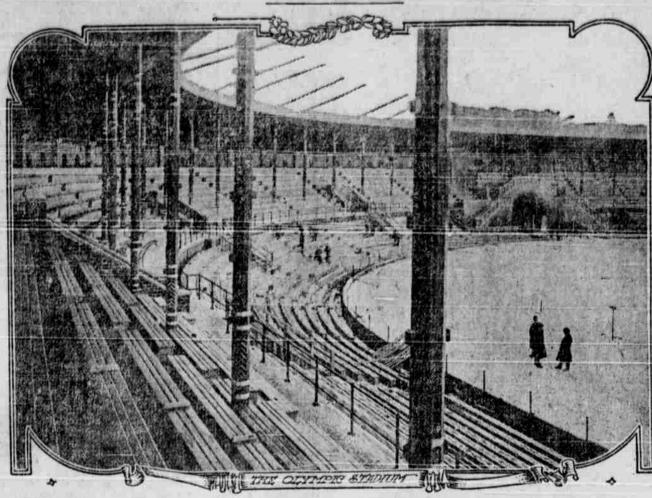
Primarily for the use of physicians, dynamo transformer has been invented in France which will turn out currents of various tensions and strengths at the same time if desired:

Berlin employs more than one hundred storage battery driven electrical machines literally to scrub its well kept streets.

War on Deadly Fly.

Ozone is to take a prominent part in the campaign against the deadly house fly. All disagreeable odors, such as attract files, are caused by tiny particles of decaying organic or vegetable matter floating in the air. Ozone attacks and burns up these particles, removing the odor and destroying the food which would nourish files.

STADIUM FOR OLYMPIC GAMES AT STOCKHOLM



THE immense stadium for the Olympic games, which are to be held in Stockholm, Sweden, this summer, is now practically completed. The photograph shows a portion of the grand stand built to accommodate the tremendous crowds that are expected

grave, otherwise the Berlin newspa-

pers would not so soon have been able

to report that he was dedicating him-

self to winter sports in the Tiergar-

"At the end of January the crown

longer than he intended is due to the

"On March 6 the Danzig Hussars

at last able to give the winter ball,

injury he received at ice bockey.

absences."

Boys Find Eighty Diamonds

SHIRKS ARMY DUTY

German Crown Prince Not Enthusiastic About War.

Kalser's Heir is Attacked by the Press-Is Colonel of Famous Regiment-Nearly Always Absent from Military Service.

Berlin, Germany.-The article attacking the crown prince for neglect of military duties, which is attracting great attention, being reproduced in many leading newspapers, appeared originally in Der Tuermer, a monthly review, according to a Berlin dispatch. It was written by Herr Guenther von Viebrogge, a retired of-

The article observes that up to the time when the kalser appointed his heir to the colonelcy of the famous Death's Head hussars at Danzig last September the crown prince had never done any military service worth mentioning. At was hoped that the command would at last fill the prince, in whose veins the blood of so many wartiors flowed, with genuine enthusiasm for the profession of arms.

"Up to the present, however," continues the article, "the hopes aroused by the transfer to Danzig have remained unfulfilled. The crown prince is absent far too much on leave. Indeed, one might ask when he is at the head of his regiment at all.

"Immediately after his appointment the august young gentleman went traveling for four weeks, principally to hunt. Soon after his return we ing grounds: "At the beginning of December he

spent a week in Silesia hunting, and she saw Policeman Frazier and told at the end of December and the begin- him her story. ning of January he was in Berlin

was prostrated by Iliness, which not Burke, but refused to give his adonly confined him to his room, but to dress. According to the police he ad- arrested, says she will serve her senbed over the Christmas holidays. The mitted robbing the Robns, after seviliness could not have been very eral pieces of jewelry found in his a pardon,

Costly Gems Had Been Swept Out

With the Rubbish When Jewelry

Store Was Cleaned.

Philadelphia.-The discovery of dia-

monds in an ash barrel in front of

Charles Kranich's jewelry store, 2466

Kensington avenue raised a disturb-

ance that suggested the scene of a

"lucky strike" in the gold fields of

Mrs. Kranich saw a number of boys

struggling around the barrel, each en-

deavoring to dig his hands into the

contents. These were joined present-

the strange scramble. Alarmed, Mrs.

Miss Bessie Kranich, who learned

that the men and boys were digging

for gems in the ash barrel. Mrs.

Kranich went into the street, and on

boys had found diamonds that her

YALE OARSMAN TO BE ENVOY

Chung Mun Yew Appointed Minister

of New Republic at Wash-

ington.

New York.-Chung Mun Yew, the

old Yale coxswain, has been appoint-

ed minister of the Chinese republic

to the United States, according to a

Conn., public school, and made the

crew in the freshman year, steering

the Yale shell to victory against Har-

vard. He was elected to the Delta

Kappa Epsilon fraternity, the only one

He was called back to China before

completing his studies, but returned

Previous reports have been to the

that Dr. Wu would be sent here as

of his race to be so honored.

tang was minister.

Shanghai dispatch to the Herald.

Alaska.

mas stock.

TRAVELS FAR FOR HIS BRIDL Nine Thousand Miles Somewhat of

a Journey, but Not Too Long for Norton Johnson. Los Angeles.-Coming 9,000 miles

to claim his bride, Norton Johnson arrived in Los Angeles. He reached San Francisco on the steamer Tahiu from New Zealand, and was met by prince again came to Berlin to parhis flancee, Miss Helen Wells, and itcipate in the court festivities and her father, Arthur G. Wells, general those connected with the kaiser's manager of the Santa Fe, who had birthday and christening of his own son. When these were over he bejourneyed north in their private car took himself to Switzerland, where in for that purpose. company with his gracious consort he Mr. Johnson, who is a geological ex-

threw himself into the joys of the pert, is general superintendent of the Consolidated Goldfields of New Zeasleigh and ski with his accustomed land, and after the wedding ceremony took his bride for a wedding "That he remained in Switzerland trip through the east, and will sail the first of May for their future home in New Zealand.

saw their commander again and were Mr. Johnson is the son of Mr. and Mrs. George Johnson of Binghamton, N. Y. Miss Wells was graduated which they had postponed on account of the crown prince's many prolonged from the Mariborough and afterward attended Wells college.

Man Records His Robberies

Thief Arrested After School Girl Had pockets were identified by Marie as Trailed Him-Left Odd Book in Looted Home.

New York.-Marie Rohn, 14, after attending Normal school, returned to her home on the fifth moor of 440 East alphabetical index and on several 156th street. She was climbing the pages were found names of persons stairs when a man dashed past her, almost knocking her down, and fled to robbed, so the police said. The book the street. The girl found that the also contained a list of valuables taksaw him in Berlin; sometimes in the door of her home had been jimmied reichstag, where he attended the Mo- and the place robbed. She ran to the pawnbrokers who had bought or lean rocco debates; sometimes at the fly- street, caught sight of the man half a block away and trailed him along Elton avenue to 150th street. There

The policeman grabbed the man and took him to the Morrislana police of this city, author of "The Lost Art." Between the last named leaves he station. He said he was George a book on suffrage, for the unlicensed

whether the crystals were valuable.

She shrewdly replied that they were

only cheap stones, but if they cared

to go to the trouble of looking for

more she would pay them a moderate

reward for each one. The ruse was

effective. One by one boys went to

her and returned the stones, some of

them not asking anything in return.

police heard of the unusual occur-

rence, and Lieutenant Keith dis-

were still missing.

Meanwhile the Eighteenth district

In his hurry to leave the Rohn house the burglar left a small memorandum book behind. On the outside was written Burke's name. It had an whose homes have recently been en from each place and the names of ed money on the articles.

Woman Refuses Pardon.

Valley City, N. D .- Preferring jail to freedom through the payment of a fine by friends, Mrs. Laura M. Allen sale of which on the streets she was tence of a week in jail. She refused

have accidentally dropped. Shortly before cleaning the store, he said, he had taken from his safe a leather case containing a number of diamonds, Scon afterward the boys went into which he said, he either examined or the store and asked Mrs. Kranich else showed to a customer. The stones were sorted, those of each kind being wrapped separately in tissue paper. Thus the diamonds were probably not noticeable and dropped into the rubbish that was being swept from the store and later dumped inte the ash barrel.

Prodigy at Eight.

London-Barely eight years old, a patched six policemen in civilian's boy named Solomon, son of a poor clothes to endeavor to recover the East end tailor, made his public dediamonds. The result of this was but in the Albert hall before an imthat before night fifty-four of the mense audience and proved himself a missing stones had been found and re wonderful planist.

turned to their owner; about twenty It was only a few weeks ago that the boy was discovered, and he had When Mr. Kranich learned of the never played on a grand piano before looking closer discovered that the incident he said that he and two So marvelous is his talent that a young men were gathering up rubbish few days ago he played privately be husband had procured for his Christ- in the store in the morning, and it fore the king and queen at Buckingwas into this that the diamonds must ham palace.

Kicks Girl's Dog Around

Own, Scratched Door-Court to Decide.

preliminary studies in the Hartford, charge of cruelty to animals. He was man in her room.

paroled, pending trial. Miss Altman, with her family, oc-675 Snediker avenue, which is owned by Mogal. He lives in the other part. house eight months ago Miss Altman found a half-starved dog penned in to this country some years later and acted as an interpreter at the legation | belonged to Mogal, but she took care | Mogal. in Washington when Dr. Wu Tingof it and kept it. Mogal had another

man said it might just as well have which dog was guilty.

Landlord Says Tenant's Cur, Not His been Mogal's houn'. Mogal didn't think so, and at 6:30 o'clock in the morning he walked quietly into Miss Altman's bedroom, looking for the ter-New York.-Kickin' Miss Blanche rier. It was under the bed, and when Altman's fox terrier aroun' got Mike he yanked it out by a leg the dog set Mogal before Magistrate Voorbees in up a howl. Miss Altman awoke sud-Chung entered Yale in 1883 after the New Jersey avenue court on a denly and was terrified at finding a

The fox terrier escaped for a time and Mogal chased it around the house cupies part of a two-family house, at until he finally cornered it. Then with a club, it is alleged, he broke one of its hind legs and then he pitch-

When the Altmans moved into the ed it out the second-story window. Miss Altman called Officer McMahan of the S. P. C. A., who killed the the back yard. She learned the dog dog. Then she got out a warrant for

To determine whether it was Miss Altman's dog or the one belonging to One of the dogs contracted the bad Mogal that scratched the doors. effect that the post at Washington habit of scratching the varnish off the Magistrate Voorhees said he would would be raised to an embassy and hall doors, and Mogal places the have detectives measure the claw blame on the fox terrier. Miss Ait marks. They may be able then to say

When Neptune Interfered

By R. S. PHILLIPS

Ames rowed with angry vigor, reaching the island in record time. The little flag, fluttering gaily where her finger had tied it, irritated him,

and he put out a hasty hand. "You need not dishonor 'Old Glory because you are angry with me!" The words were like water on hot fron, whetting bis anger.

"I did not expect to find you "I came for the same reason-and

I came first. I have been here more than two hours." Prior possession and an invitation voiced by the trite phrases. Ames glanced at her quickly, and anger

flamed more potently. She was so alluringly beautiful, here in the giare of autumn sunshine and turbulent sea, bringing home the knowledge that it was genuine loveliness, not an effect of shaded lights and at-

tractive gowning. "You do not own this island," he protested, stubbornly.

"Show your deed," she retorted, coldly. "This island was flung up by the sea, and I have never heard of any one disputing the claim of the waters. Perhaps mine was an appeal to chivalrous courtesy that does not exist-in you at least."

Crimson touched the healthy bronze of his cheeks. "Look here, Trix, 1 didn't come here to continue our quarrel.

dream you were coming here, of all places. However, it is large enough. But I am going back. The tide will be coming in soon, and that shrinks the area."

The slender white figure vanished out of the line of present vision, and



Ames did not turn to look after her. A recently returned betrothal ring

forbade active interest. After an adequate interval of wait-

Miss West." come for me."

name (it had decorated Miss West's his savage elders to keep those indancing program many times last ferior ones down. But now the risnight) he became vehement.

"You are going back with me!" please—or stay here indefinitely," was the decided answer.

ing defiance, Ames smiled sadly. But personality at any rate. the returned ring also forbade prolonged contention. He bowed grave- its universities bred gentlemen for ly and left her.

whitecaps on the bay attested this. That thin and base ideal efficiency is But it seemed marvelous that any hatching a race of simpletons.-- II, R. trick of the tide could have brought in New York Sun. a canoe to the right about in such a short time, Then came acute realization. It was his canoe.

A quick solution of this problem was necessary. The shore was beyond a Chicagoan said the other day: swimming distance. Only he and Trix swept land, cast up by an ocean volcano in idle sport. It would be cold tain type of high court judge. when the September sun had vanished. Her gown was summer white, the waist filmy. Ruefully he reflected that a thin serge coat afforded little protection against chilling breezes. Consultation being imperative, he

went grimly back to the other shore. "My canoe has gone, too," he ventured.

"Not fastened properly," was the Sphinx-like reply. "But, Miss West, this is serious. There is no time for quibbling. We are marooned on this little island."

"I expected to be," came the calm answer. But she shivered slightly, and he knew that she was troubled. "You must take my coat," he said, gently placing it about her shoulders. It was shaken off impatiently.

"I have not asked your assistance." I have never seen it so aggressive." was not only in the tide. Usually

gin of shore were being submerged. The island was sinking! bobbed her cance, the influx of water get mad at him." bringing it gradually nearer. It was their only hope. He kicked off his

light shoes and went gamely out to capture it. "Bob! Oh, Bob! Come back! You

will be drowned!"

madness came like a blinding tiash. The waters were coming to claim their own!

"It's all my fault-mine," she whispered, with a dry sob. "If I hadn't been so stubborn and foolish he would have managed long ago."

Aeons, apparently, she stood straining her eyes into the dazzle of the sunset, while a determined swimmer drew nearer and nearer the elusive canoe. When he finally grasped it, an ardent cheer rose to her lips. Closer came the crawling death, but that was not in her mind. How pretty, how trifling, was the slight misunderstanding that loomed so large an heur ago,

The breeze had freshened so much it was not possible for Ames, expert canonist that he was, to gain the dry interior of his rocking captive. But fortune favored-new he was swimming with the tide. When he dared waste strength on a shoreto vacate present surroundings were ward giance he saw the girl waving his coat with gry encouragement, She was standing beside the lone tree the island boasted. The waters had risen perilously far. Ames forced strength into his waning stroke.

Eager hands met his, and together, without loss of time or words, they rushed the canoe to the other shore, where they would not have to fight the tide. The tiny tree was all afoam. "Splendidly done, Bob!"

Her voice was full of courage. Not a trace of the tears Ames had feared to see dimmed her eyes.

The next few moments marked desperate effort. Some fiend seemed to be struggling to draw the frail canoe back to destruction. But it fought with youth and youth's ardent desire to live. As the small craft sped out beyond the danger line, the rose glory "Which implies that I did. I didn't of a dying sun touched sea and sky. "Look!" cried the girl suddenly.

"Our island! The island we loved! It is gone!"

Ames turned the cance a trifle and looked back. Only the tiny tree showed bravely above the wash of water. Then he looked at the girl. Somehow the fact that her eyes were shining with tears did not trouble him now. On both faces was the solemn awe of those who have faced death and live to remember.

He put out his hand. The gesture held an infinite meaning, beyond all Love's honeyed phrases.

"Trix, you've got to marry me. After this, I cannot live without you." A rainbow smile eclipsed the tears. With due regard for the dangers they had passed, she laid small, confident fingers in his broad palm.

"The difficulty, Bob, oh, Bob, darling!-the difficulty would be to keep me from marrying you," she replied.

SMILES, VIRTUE AND GUILE

Smart Young Man of Big Business Has No Personality or Soul. Says Writer.

Modernity has bred a kind of person who is equivalent to that virtuous village boy of pious reading appreciated cent reminiscence. I mean the bright young man of big business. He is the "grocer's boy" of these large times, faithful, indefatigable, cheerful, clever sociable, pleasant, tedious. He is foring he strolled toward the other ever on time or ahead of time. His beach. When he raised moody eyes elders by one generation have somefrom the pebble he was kicking lazily what of a military silence, will and they encountered a white figure sit- polse about them. Forbidding they houetted against the blue. Far out are; they can frown. A certain conon the water a canoe rocked provok- tempt is their pride. But the bright, rising young man of big business is chiefly smiles, virtue and really guile. "Not fastened properly," he ob-served. "Girls are apt to be care-He is a conservative in his 20s, which less about such details. You must means that he is a knave; worse, inlet me take you back to the botel, deed, than the fool who is radical in

his age. Her smile was icily sweet, "When I detest that smart young man of you do go, you might tell Mr. Ham- big business. He has no personality mond I am here and want him to whatever, no soul. He is bred of system and method and science, all of Under the goad of Hammond's which shrewd things were invented by ing young men are bringing every slavish characteristic up with them "I am going back with whom I into power. I can see what is going to happen to them. Those trade union bludeonists will smash much of the She looked so small and dainty, to pretty mechanics on the predominant be cared for tenderly instead of huri- just now in capital. The ruffians have

A wiser state would see to it that leisure, shrewd men for activity and The tide was coming in, Mild powerfully willed masters for power.

Apropos of the various present-day arguments for the recall of bad judges.

"I once heard Colonel Roosevelt tell West frequented this tiny strip of sun a story about a frontier magistratea story that reminded him of a cer-"The magistrate had in hand a

hatchet stealing case. It was proved that the prisoner had stolen the hatchet, but the magistrate, search his law books as he would, could find no precedent for hatchet stealing. "'Prisoner at the bar,' he said at

last, glaring up at the accused man from over his spectacles, 'I can't locate nothing in the books relatin' to hatchet stealing, though I find here a case of ax stealing, where the defendant was convicted and got heavy punishment. Prisoner at the bar, you have had a narrow escape. You may now go, and let this be a warnin' to

Forgiving Spirit.

Tommy, who has a quick temper, "You must have it, Trix. You are got mad at his seven-year-old playgetting chilled. And you must talk mate, Katherine, the other day, called over the situation. Look at the tide, her a name and went home. That night Katherine's mother saw her laborious-Another fact intruded suddenly. It ly printing something in a note book. 'What are you doing, Katherine?" she high and dry places on the small mar- sked. "I'm writing down every time Tommy gets mad at me," was the reply, "and when he has got mad Out of the shining white caps twelve or fifteen times I'm going to

Old Timers.

"Do those stories that statesman tells give the public an impression that he is a man of mentality?"

"I think so," replied Senator Sorg-Every muscle tense, the girl raced hum; "even if they do not indicate a to the edge of the encroaching waves. I ready wit they show a long memory."